

# Approvals, etc.

or

Approvals, approval acceptances, approval workflows  
and levels, how they interact with Attribute Option  
Combos and Category Option Group Sets

*Jim Grace*

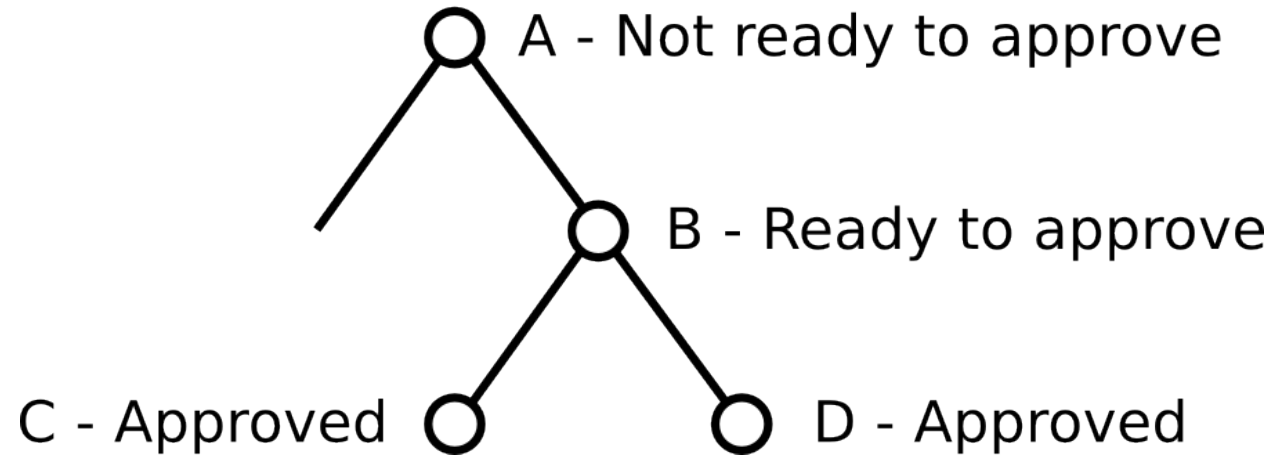
*dhis2*

*Nov. 5, 2018, Oslo*

**dhis2**

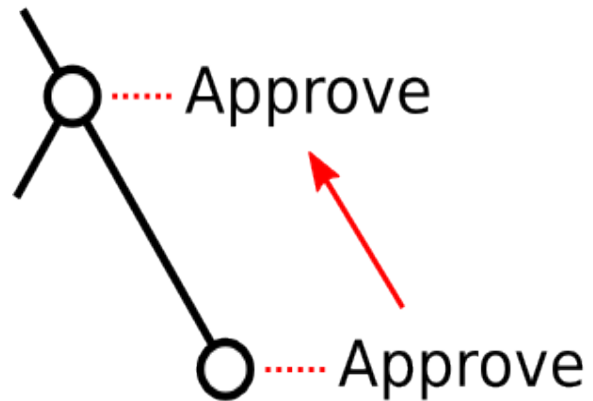
# Data approval hierarchy

## *Organisation units*

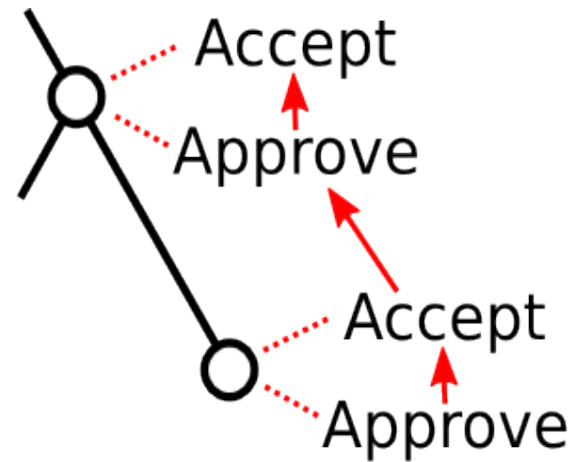


# Approving and accepting

*Two implementation options (system setting):*



*1 step per approval level:*  
- Approve



*2 steps per approval level:*  
- Approve  
- Accept

## Data approval levels

- *A data approval level specifies an organisation unit level.*
- *An organisation unit level does not need a corresponding data approval level. For example:*

*org unit level 1 - **Country***

*org unit level 2 - **Province** - approval level 1*

*org unit level 3 - **District***

*org unit level 4 - **Subdistrict** - approval level 2*

*org unit level 5 - **Facility***

## Data approval workflows

- *A data approval workflow specifies a period type and one or more data approval levels.*
  - *A data set (optionally) specifies one data approval workflow.*
- Examples:*

Workflow	Approval levels	Workflow Period type	Data sets
HIV	1, 3	Monthly	HIV Care Monthly, HIV Pediatric monthly summary
Stock	1, 3	Monthly	EPI Stock
Admin	1, 2	Quarterly	Expenditures, Staffing

# Workflow period type vs. data set period type

2018 Q3 (Oct– Dec)
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 quarterly workflow approval

approves:

2018-10 (Oct)	2018-11 (Nov)	2018-12 (Dec)
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 monthly data sets

2018 Q3 (Oct– Dec)
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 quarterly data sets

... 

2018
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 yearly data sets

In short, any data set that ends during the approved period

## Aggregate vs. Event approvals

- *Currently approvals apply only to aggregate data (data sets)*
- *In the future, they could be extended to event data by (optionally) specifying a workflow for a program*

## What does data approval actually do?

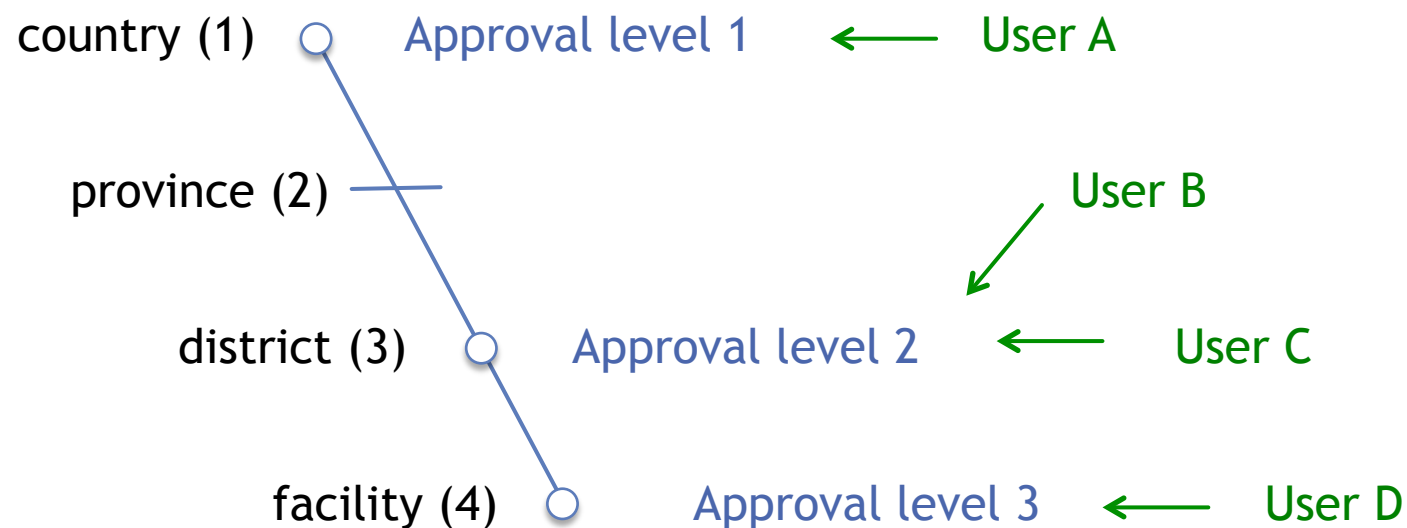
- *Locks data from being entered or changed for a given organisation unit (and organisation units under it), for a given period, for data elements belonging to any data set in the workflow.*
- *Hides unapproved data from higher-level users (optionally, through a system setting)*



# Data hiding

*A system setting optionally hides unapproved data from higher-level users:*

## organisation unit level



## How do data approvals apply to data with attribute option combos?

*Data for each attribute option combo is always approved independently.*

*Approval levels can be defined in one of three ways:*

- 1. (at most) one approval level for an organisation unit level*
- 2. Two approval levels for an organisation unit level*
- 3. More than two approval levels for an organisation unit level*

# *1. (at most) one approval level for an organisation unit level*

*For approvals at different organisation unit levels, leave the category option group set blank:*

Approval level	Organisation unit level	Category option group set
Country (1)	Country (1)	
District (2)	District (4)	
Facility (3)	Facility (5)	

## *2. Two approval levels for an organisation unit level*

*Choose a category option group set for the second approval level using the same organisation unit level*

Approval level	Organisation unit level	Category option group set
Country (1)	Country (1)	
District-All (2)	District (4)	
District-Partner (3)	District (4)	Project Partners
Facility (4)	Facility (5)	

*Approval level 3 is for partners who are limited to only some category option combos (grouped by partner).*

*Approval level 2 is for users with no such restrictions.*

### 3. *More than two approval levels for an organisation unit level* (slide 1 of 2)

#### PEPFAR Requirement

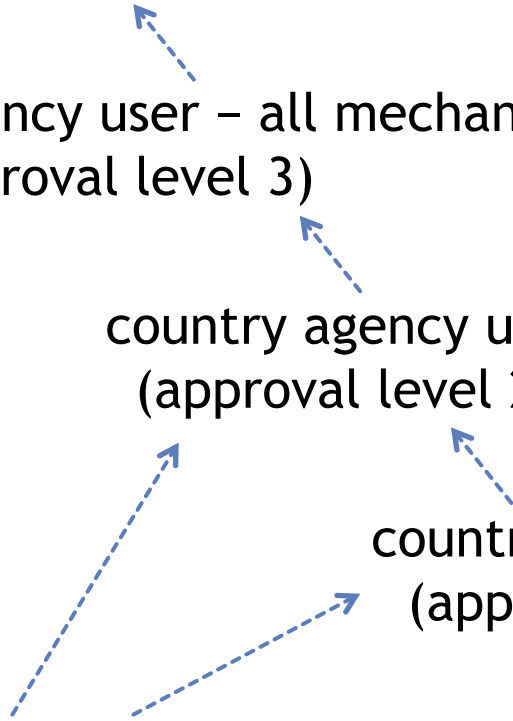
global inter-agency user – all mechanisms  
(approval level 4)

country inter-agency user – all mechanisms  
(approval level 3)

country agency user  
(approval level 2)

country partner user  
(approval level 1)

Attribute option combo = attribute option = mechanism



### *3. More than two approval levels for an organisation unit level (slide 2 of 2)*

*Choose a different category option group set for each additional approval level using the same organisation unit level.*

Approval level	Organisation unit level	Category option group set
Global (1)	Global (1)	
Inter-Agency (2)	Country (3)	
Funding Agency (3)	Country (3)	Funding Agency
Implementing Partner (4)	Country (3)	Implementing Partner

*Users can approve depending on their dimension restrictions (if any) and sharing, and the level of their assigned organisation unit.*

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*The end!*